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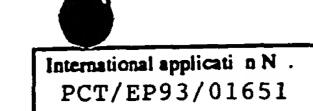
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference LeA29 111-PC	FOR FURTHER ACTION	CTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416			
International application No.	International filing date (day/month/year) Price		riority date (day/month/year)		
PCT/EP 93/01651	28.06.93		09.07.92		
International Patent Classification (IPC)	or national classification and IP	С			
	C08G18/66				
Applicant BAYER AKTIENC	SESELLSCHAFT et a	al			
Authority and is transmitted to	the applicant according to Artic		International Preliminary Examining		
been amended and are the		ets containing re	ion, claims and/or drawings which have ectifications made before this Authority the PCT).		
These annexes consist of a total	of sheets.				
3. This report contains indications	relating to the following items:				
I Basis of the report					
II Priority					
III Non-establishment	of opinion with regard to novel	ty, inventive ste	p and industrial applicability		
IV Lack of unity of invention					
Reasoned statement under Article.35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI X Certain documents cited					
VII X Certain defects in the international application					
VIII X Certain observation	s on the international application	n			
			<u></u>		
Date of submission of the demand	Date	of completion of	of this report		
28.06.93		27.05.94			
Name and mailing address f the IPEA	/ EP Auth	orized officer	· · · · · · · · · · · · · · · · · · ·		
Facsimile N	Teler	ohone No.			

F rm PCT/IPEA/409 (cover sheet) (January 1994)





1. Basis f the report						
1. This report has been drawn on the basis of:						
the international application as originally filed.						
the description	, pages	, as originally filed,				
	pages					
	pages	, filed with the letter of,				
	pages	, filed with the letter of,				
the claims,	pages	, as originally filed,				
	pages	, as amended under Article 19,				
	pages	, filed with the demand,				
	pages	, filed with the letter of,				
	pages	, filed with the letter of,				
the drawings,	sheets/fig	, as originally filed,				
	sheets/fig	, filed with the demand,				
	sheets/fig	, filed with the letter of,				
	sheets/fig	, filed with the letter of,				
2. The amendments have resulted in the cancellation of: sheets of drawings/figures No.: 3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box. 4. Additional observations, if necessary:						
II. Priority						
1. This report has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested: copy of the earlier application whose priority has been claimed. translation f the earlier application whose priority has been claimed.						
2. This report has been established as if no priority had been claimed due to the fact that the priority claim has been found						
invalid. Thus for the purposes of this report, the internati nal filing date indicated above is considered to be the relevant date.						
<u> </u>						



Reasoned statem in under Article 35(2) with regard to novelty, inventive step or industrial applications, citations and explanations supporting such statement				
STATEMENT		1_8		
Novelty (N)	Claims	1-0	YES	
	Claims		NO	
Inventive Step (IS)	Claims	1-8	YES	
Inventive Step (13)	Claims		NO	
		1 0		
Industrial Applicability (IA)	Claims	1-0	YES	
moustrial Applications (124)	Claims		NO	
	citations and explanations supporting s	STATEMENT Novelty (N) Claims Claims Inventive Step (IS) Claims Claims Claims	STATEMENT Novelty (N) Claims Claims Inventive Step (IS) Claims Claims 1-8 Claims 1-8 Claims 1-8 Claims	STATEMENT Novelty (N) Claims Claims Inventive Step (IS) Industrial Applicability (IA) Claims 1-8 YES NO YES NO

2. CITATIONS AND EXPLANATIONS

Novelty

The subject matter of the present claims 1 to 8 is novel, having regard to the prior art cited in the international search report. EP-A-0 463 493 (D1), which is considered to be the closest prior art, does not disclose a process for producing hard foams wherein 1) polyisocyanates, 2) compounds with a molecular weight of 400 to 10000 which react with isocyanates, 3) CFC-free organic propellants, 4) flameproofing agents, 5) crosslinking agents with a molecular weight of 32 to 399 and, optionally, 6) known auxiliaries and additives are reacted, components 2), 4) and 5) being used as a formulation in the amounts specified in claim 1 and the NCO number lying between 200 and 600.

Inventive step

The subject matter of the present claims 1 to 8 also involves an inventive step, because there is no hint of the claimed process in D1, taken either separately or in combination with another international search report citation. The reasons are as follows:



International application No. PCT/EP 93/01651

Supplemental Box

(To be used when the space in any of Boxes I t VIII is not sufficient)

Continuation of Box [No.]:

D1 discloses a process for producing hard PU foams by reacting together the above-mentioned components 1) to 6), component 3) comprising an aqueous solution of alkali carboxylates.

The process claimed in the present claims is distinguished from the process known from D1 in that components 2), 4) and 5) are used as a formulation in the amounts specified in claim 1.

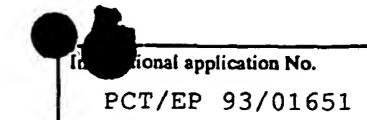
Because of this measure, hard PU foams produced by the subject matter of the application possess better dimensional stability, i.e., undergo less shrinkage, than the foams produced by the process of D1 (see comparative examples).

Since this measure was not suggested by the prior art, the presence of an inventive step can be acknowledged.

International application No.
PCT/EP93/01651

	rtain published documents				
Ap	plication N . Patent No.	Publication da (day/month/yea	te ar)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WC	92/16573	01/10/9	2	10/03/92	20/03/91
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					· .
	on-written disclosures			ritten disclosure	Date of written disclosure referring to non-written disclosu
K			Date of non-v	Mitten disclosure	
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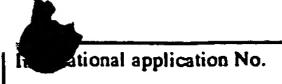
The following defects in the form or contents of the international application have been noted:



VII.	Certain	defects	in the	international	applicati n
7 44.		acter	m ar	TITACE THANK A CAME	

In line 26 on page 9, the word "more" should be inserted before "foamable", otherwise the sentence in lines 26 to 28 does not make sense.

Form PCT/IPEA/409 (seventh sheet) (July 1992)



PCT/EP 93/01651

VIII. Certain observati ns on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The application does not comply with the requirements of PCT Article 6, because claim 1 is not clear for the following reasons:

- 1.) The expression "organic propellant" is inconsistent with the description and therefore makes the scope of the subject matter of the claim unclear, since it also includes the CFC-containing propellants explicitly excluded on page 1 of the description.
- 2.) The details of the composition of the formulation (page 20, lines 4 to 14) are inconsistent: Firstly, the parts by weight of components 2), 4) and 5) should add up to 100 and secondly, the sum of the parts by weight of the above-mentioned components is equal to at least 110 if up to 90 parts by weight of component 2) are present.